

## CURRENT INDUSTRIAL REPORTS

# Titanium Ingot, Mill Products, and Castings



U.S. Department of Commerce  
BUREAU OF THE CENSUS  
BUREAU OF INDUSTRIAL ECONOMICS

SEPTEMBER AND OCTOBER 1982

ITA-991(82)-9 & 10  
Issued January 1983

The total production of titanium ingot for October was 3.6 million pounds. This represented a 7-percent increase from the September total of 3.4 million pounds. Consumption of titanium ingot increased by 1 percent in October to 3.5 million pounds from 3.4 million pounds in September. Net shipments of titanium mill products decreased by 19 percent to 2.4 million

pounds in October from 3.0 million pounds in September. Total shipments of titanium castings for October amounted to 43 thousand pounds.

A description of the survey methodology and related information may be found in the January 1982 report for this series, ITA-991(82)-1, issued June 1982.

Table 1. NET SHIPMENTS OF TITANIUM MILL PRODUCTS

(Thousands of pounds)			
Product	October 1982	September 1982	October 1981
Total <sup>1</sup> .....	2,412	2,994	4,322
Sheet and strip.....	( <sup>2</sup> )	( <sup>2</sup> )	( <sup>2</sup> )
Plate.....	1,176	1,383	2,460
Forging and extrusion billet.....	329	359	522
Rod and bar.....	25	76	60
Fastener stock and wire.....	952	1,253	1,760
Extrusion.....			
Pipe and tubing.....			
Other.....			

<sup>1</sup>Net shipments, total, is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts. Net shipments for each mill product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail does not add to the total because of this difference in definition.

<sup>2</sup>Data for sheet and strip, plate, extrusion (other than tubing), pipe and tubing, and other have been combined to avoid disclosing individual company data.

Table 2. TITANIUM INGOT, MILL PRODUCTS, AND CASTINGS: 1982 AND 1981

(Thousands of pounds)

Month and year	Ingot					Mill products			Castings	
	Production	Consumption	Shipments	Receipts	Ending inventories	Production	Receipts	Net shipments <sup>1</sup>	Production	Shipments
1982										
October.....	3,617	3,454	672	420	5,265	2,392	307	2,412	52	43
September.....	3,392	3,407	846	498	5,579	2,877	379	2,994	36	36
August.....	3,877	3,676	466	589	5,884	2,339	162	2,362	60	35
July.....	3,284	3,118	528	542	5,634	2,433	144	2,382	61	35
June.....	4,017	4,631	653	588	5,411	3,188	387	3,166	64	39
May.....	3,610	4,480	456	670	5,994	3,084	357	2,946	59	45
April.....	5,001	5,204	769	806	6,405	3,209	353	3,436	69	54
March.....	6,858	7,320	867	1,071	6,552	4,361	704	4,454	90	59
February.....	6,505	6,202	973	1,252	6,686	4,185	830	3,458	83	55
January.....	6,452	6,222	1,363	955	6,523	4,475	825	3,655	77	43
1981										
Total.....	(NA)	(NA)	(NA)	(NA)	(NA)	58,940	9,084	50,983	675	417

(NA) Not available.

<sup>1</sup>See table 1 for more detailed data.

<sup>2</sup>Net shipments, total, is the sum of mill product shipments plus mill products consumed in the manufacture of fabricated products, less total receipts. Net shipments for each mill product category also includes the consumption of mill products in that category in the manufacture of other mill products. Detail does not add to the total because of this difference in definition.

Address inquiries concerning these figures to the U.S. Department of Commerce, Bureau of Industrial Economics, Materials Division, Washington, D.C. 20230, or to the Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Nathaniel A. Shelton, (301) 763-2529.

For sale by Data User Services Division, Customer Services (Publications), Bureau of the Census, Washington, D.C. 20233, or any U.S. Department of Commerce district office. Postage stamps not acceptable; currency submitted at sender's risk. Remittances from foreign countries must be by international money order or by a draft on a U.S. bank. Price, \$1.00 per copy, \$13.50 per year.

Table 3. NET SHIPMENTS, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF TITANIUM MILL PRODUCTS: 1982 AND 1981

(Quantity in thousands of pounds, value in thousands of dollars)

Month and year	Manufacturers' net shipments <sup>1</sup> (quantity)	Exports of domestic merchandise <sup>2</sup>		Percent exports to manufacturers' net shipments (quantity)	Imports for consumption <sup>3</sup>		Apparent consumption <sup>5</sup> (quantity)	Percent imports to apparent consumption <sup>6</sup> (quantity)
		Quantity	Value at port		Estimated producers' value <sup>4</sup>	Quantity		
OCTOBER 1982								
Total.....	3,154	387	5,094	4,957	12	109	1,265	2,876
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	1,848	137	2,175	2,116	7	12	194	1,723
Titanium mill products.....	1,306	250	2,919	2,841	19	97	1,071	1,153
SEPTEMBER 1982								
Total.....	3,917	525	6,329	6,159	13	304	3,057	3,696
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,229	162	2,556	2,487	7	9	101	2,076
Titanium mill products.....	1,688	363	3,773	3,672	22	295	2,954	1,620
AUGUST 1982								
Total.....	2,888	900	9,985	9,716	31	188	1,974	2,176
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	1,621	482	6,022	5,860	30	59	505	1,198
Titanium mill products.....	1,267	418	3,963	3,856	33	129	1,459	978
JULY 1982								
Total.....	3,001	413	5,603	5,453	14	211	1,875	2,799
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	1,814	224	2,731	2,658	12	3	37	1,593
Titanium mill products.....	1,187	189	2,872	2,795	16	208	1,838	1,206
JUNE 1982								
Total.....	3,932	565	7,144	6,952	14	103	842	3,470
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,354	492	5,496	5,348	21	70	437	1,932
Titanium mill products.....	1,578	73	1,648	1,604	5	33	405	1,538
MAY 1982								
Total.....	3,510	666	13,077	12,725	18	329	3,285	3,173
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,069	439	9,165	8,918	21	106	1,011	1,736
Titanium mill products.....	1,441	227	3,912	3,807	16	223	2,274	1,437
APRIL 1982								
Total.....	4,313	537	7,845	7,634	12	191	2,097	3,967
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,755	376	5,066	4,930	14	71	538	2,450
Titanium mill products.....	1,558	161	2,779	2,704	10	120	1,559	1,517
MARCH 1982								
Total.....	5,496	591	9,570	9,313	11	222	2,726	5,127
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	3,292	366	5,586	5,436	11	39	584	2,965
Titanium mill products.....	2,204	225	3,984	3,877	10	183	2,142	2,162
FEBRUARY 1982								
Total.....	4,608	734	11,456	11,148	16	187	1,911	4,061
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	2,814	433	6,037	5,875	15	25	194	2,406
Titanium mill products.....	1,794	301	5,419	5,274	162	162	1,717	1,655
JANUARY 1982								
Total.....	5,313	983	12,598	12,259	19	105	1,318	4,435
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	3,277	657	7,920	7,707	20	30	366	2,650
Titanium mill products.....	2,036	326	4,678	4,552	16	75	952	1,785
1981								
Total.....	(NA)	12,098	159,454	155,165	(NA)	2,719	27,234	(NA)
Titanium ingot and forging and extrusion billet <sup>7</sup> .....	(NA)	8,405	105,647	102,805	(NA)	488	5,221	(NA)
Titanium mill products.....	27,303	3,693	53,807	52,360	13	2,231	22,013	25,841

(NA) Not available. (2) Less than one-half of 1 percent.

<sup>1</sup>For a comparison of Standard Industrial Classification (SIC) codes, export (Schedule B) codes, and import (TSIS) codes, please refer to the January report for this series, ITA 991(82)-1, issued June 1982.<sup>2</sup>Source: Bureau of the Census report IM 546, U.S. Exports-Commodity by Country.<sup>3</sup>These values were derived by use of adjustment factors to exclude freight, insurance, and other charges incurred in moving goods to the port of export. This adjustment is made to convert the values to an approximation of the producers' value of exported goods. Current adjustment factors are based on data for 1980 which are published in "Origin of Exports of Manufactured Products, 1980(S)-6," appendix B., Comptroller adjustment factors for earlier years are based on similar factors developed for 1971 and 1972. The current adjustment factor for this report is 0.9731.<sup>4</sup>Source: Bureau of the Census report IC 143-A, U.S. Imports for Consumption and General Imports.<sup>5</sup>The value includes cost of freight, insurance, and freight at the first port of entry in the United States plus U.S. import duties and other charges to the import point.<sup>6</sup>Apparent consumption is derived by subtracting exports from the total of net shipments plus imports.<sup>7</sup>Comparability of output, export, and import classifications for ingot and billet assume that bloom, sheet bar, and slab are reported as ingot or billet in the output codes. Figures for imports of ingot and billet also include powder, crystal, and similar forms which are excluded from the output and export codes.

Make the 1980 census data work for you.



# Users' Guide, Part A. Text

Get the Users' Guide, a multi-volume work. The first installment—"Part A. Text"—covers census data subjects; geographic areas; user tapes, maps, and other products; and services available to users.

- **SUBJECTS** The Guide tells how the data were collected and the scope of every subject. It gives you guidance, too, on the limits of the data.
- **AREAS** The Guide explains census geography and helps you locate all the data for your area.
- **PRODUCTS** The Guide helps you choose the products that best fit your needs. It discusses the contents of publications, maps, microfiche, and computer tapes.
- **SERVICES** The Guide describes and gives sources of such services as reference, consultation, training, and computer tape processing.

Watch for other supplements (parts) of the 1980 Users' Guide—including a comprehensive glossary and a table finder.

(please detach along this dotted line)

## ORDER FORM

Send order form to Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. 20402.

Please send me \_\_\_\_\_ copy(ies) of Users' Guide, Part A. Text, PHC80-R1-A, \$5.50, S/N 003-024-03625-8.

Make check or money order payable to:  
SUPERINTENDENT OF DOCUMENTS

Enclosed is \$ \_\_\_\_\_ ☐ check,  
☐ money order, or charge to my  
Deposit Account No. \_\_\_\_\_

Order No. \_\_\_\_\_

OR

Master Card  
and  
VISA  
accepted.

### Credit Card Orders Only

Total charges \$ \_\_\_\_\_ Fill in the boxes below.

Credit Card No. \_\_\_\_\_

Expiration Date  
Month/Year \_\_\_\_\_

### SHIP TO: (Please Print or Type)

Company or Personal Name

Additional address/Attention line

Street address

City

State

ZIP Code

(or Country)

### For Office Use Only

Quantity	Charges
Enclosed	.....
To be mailed	.....
Subscriptions	.....
Postage	.....
Foreign handling	.....
MMOB	.....
OPNR	.....
UPNS	.....
Discount	.....
Refund	.....

PLEASE PRINT OR TYPE

U.S. Department of Commerce  
BUREAU OF THE CENSUS  
Washington, D.C. 20233

Official Business  
Penalty for Private Use, \$300



UNIVERSITY OF FLORIDA

3 1262 08589 3872

POSTAGE & FEES PAID  
CENSUS  
PERMIT No. G-58

